Graphical Abstract

Title[*,**]

Name1, Name2, Name3

L^A_TEX

Highlights

Title

Name1, Name2, Name3

- Highlight1
- Highlight2
- Highlight3

Title

Name1[a,1,*], Name2[b,2], Name3[a]

[a]*Affiliation1, Street1, 101 ONE, City1 Country1*
[b]*Affiliation2, Street2, 102 TWO, City2 Country2*

Abstract

This is a structured abstract.

Background Why?

Purpose Why did you do it?

Method How did you do it?

Results What did you do and what did you find out?

Conclusions What does that mean?

Keywords: Keyword1, Keyword2, Keyword3

1. Introduction

> This is a quotation.

This is introduction. Here is a citation Nishimatsu et al. (2008).

2. Methods

2.1. Method1

This is for method1. An inline equation $1 + 1 \geq 2$. A numbered equation:

$$F = U - TS \tag{1}$$

An unnumbered equation:

$$H = T + V$$

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[*]title footnote 1
[**]title footnote 2
[*]Corresponding author
Email address: `author3@email` (Name3)
URL: `www.author3-website.com` (Name3)
[1]1st author footnote
[2]2nd author footnote

Multiple equations:

$$\Phi = \frac{1}{c}e^{-ikx} \tag{2}$$

$$|\Phi|^2 = 1 \tag{3}$$

This is a theorem:

Theorem 1.

$$(1-x)^n = 1 - nx + \frac{1}{2}(n-1)nx^2 - \frac{1}{6}((n-2)(n-1)n)x^3 + ...$$

2.2. Method2

This is for method2. This is citation in Paul et al. (2007) and (e.g. Paul et al., 2007, p. 1).

Remark 1. This is a remark.

PROOF. This is a proof.

3. Results & Discussion

3.1. Result1

This is result1.

(Res. 1.) This is result1.1
(Res. 2.) This is result1.2

3.2. Result2

This is result2. Here is a long table: (singlecolumn only)

Table 1: This is a table.

Item Index	Tag Name	Value1	Value2	Value3	Descriptions
A	a	u	x	1	note1
B	b	v	y	2	note2
C	c	w	z	3	note3

3.3. Discussion

This is discussion.

4. Conclusion

Conclusion1. This is conclusion1.

Conclusion2. This is conclusion2.

Author1 thanks to Author2 and Author3.

References

T. Nishimatsu, U. V. Waghmare, Y. Kawazoe, and D. Vanderbilt, Phys. Rev. B **78**, 104104 (2008), URL `https://link.aps.org/doi/10.1103/PhysRevB.78.104104`.

J. Paul, T. Nishimatsu, Y. Kawazoe, and U. V. Waghmare, Phys. Rev. Lett. **99**, 077601 (2007), URL `https://link.aps.org/doi/10.1103/PhysRevLett.99.077601`.

Appendix1

This is appendix1.

Appendix2

This is appendix2.